2019 Winners



(I to r) Tran, Jordan, and Anthony Biology: Ecology, Wildlife and Conservation

1st Place: Anthony Grate

ASSESSING FERTILITY PATTERNS IN A CAPTIVE BREEDING POPULATION OF ALLIGATOR SNAPPING TURTLES. Faculty Advisors: Denise Thompson and Dr. Day Ligon.

2nd Place: Trang Tran, Coauthor: Jordan Heiman.

TOXICITY OF SILVER NANOPARTICLES IN AN AQUATIC ENVIRONMENT. Faculty Advisor: Dr. La Toya Kissoon-Charles.



(I to r) Cody, Husref, Hanna

Biology: Cellular, Microbiology and Genetics

1st Place: Husref Rizvanovic, Coauthor: Hanna Williams

EFFECTS OF ALTERNATIVE CHEMOTHERAPEUTIC AGENTS ON THYROID CANCER Faculty Advisor: Dr. Kyoungtae Kim

2nd Place: Cody Likens, Coauthors: Lauren Cornelison, Sara Woodman, Chloe Keyes

DIETARY SUPPLEMENTATION WITH GRAPESEED EXTRACT PREVENTS DEVELOPMENT OF TRIGEMINAL SENSITIZATION AND INHIBITS PAIN SIGNALING IN A PRECLINICAL CHRONIC TMD MODEL. Faculty Advisor: Dr. Paul L. Durham.



(I to r) Koby, Chad

Chemistry

1st Place: Chad Lakin II

CELL PHONE ASSISTED DETECTION OF METAL IONS IN WATER BY PAPER-BASED ANALYTICAL DEVICES. Faculty Advisor: Dr. Keiichi Yoshimatsu

2nd Place: Koby Ljunggren

NMR ANALYSIS OF THE EFFECT OF G-T MISMATCHES IN DIFFERENT SEQUENCE CONTEXTS ON ¹H/ ³¹P CHEMICAL SHIFTS AND NOE INTENSITIES. Faculty Advisor: Dr. Gary A. Meints



(I to r)Elliott, Connor, Kyle, Alex

Computer Science

1st Place: Connor Jansen, Coauthors: Kyle Sargent, Alex Wilson, Colton Eddy, Emily Box

AUTOMATED GRAPE LEAF PATHOGEN DETECTION AND QUANTIZATION USING CANNY EDGE DETECTION ALGORITHM AND CONTOUR MAPPING. Faculty Advisors: Dr. Razib Iqbal and Dr. Laszlo Kovacs.

2nd Place: Elliott Campbell

PORTABILITY AND PERSONALIXATION OF ELECTRONIC HEALTH RECORD. Faculty Advisor: Dr. Tayo Obafemi-Ajayi



(I to r) Chase, Patrick, Ethan, Damien, Dustin, Anna, Jeff

Engineering

1st Place: Damien Burbage, Coauthors: Anna Buckthorpe, Chase Ruggeri.

GOOD VIBRATIONS, OR HOW I LEARNED TO STOP WORRYING AND LOVE ANALOG. Faculty Advisors: Dr. Rohit Dua, Dr. Tayo Obafemi-Ajayi

2nd Place:: Ethan Hill, Coauthors: Scott Kirsch, Jeffrey Mason, Patrick Toplikar, Dustin Whittaker

MEGA WIMP-51 PROCESSOR CONSTRUCTION. Faculty Advisor: Dr. Rohit Dua



(I to r) Bailey, Mo

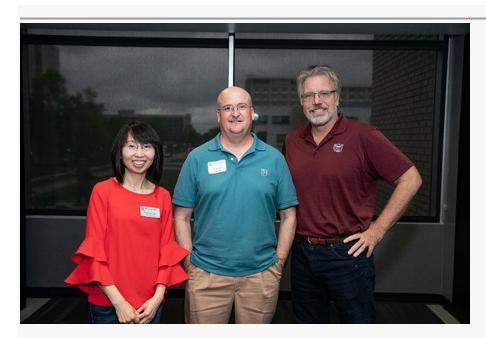
Geography, Geology, and Planning: Geology

1st Place: Bailey D. Pfitzner

DETERMINING THE EFFECT OF GCP QUANTITY ON DEM ACCURACY IN SUAS-BASED STRUCTURE-FROM-MOTION PHOTOGRAMMETRY. Faculty advisor: Dr. Toby Dogwiler.

2nd Place: Mo Holley

BRINGING FOSSILS TO LIFE: THREE-DIMENSIONAL FOSSIL IMAGING. Faculty Advisors: Damon Bassett and Dr. Toby Dogwiler



(I to r) Dr. Qiu, Michael, Dr. Pavlowsky

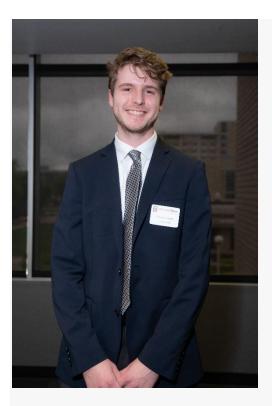
Geography, Geology, and Planning: Geography, Geospatial and Planning

1st Place: Michael Baird

GEOVISUALIZING JORDAN CREEK THROUGH TIME. Faculty Advisor: Dr. Judith Meyer

2nd Place: Margaret Alexander

ARE FISH SANCTUARIES MEETING THEIR INTENDED GOALS IN JAMAICA? Faculty Advisor: Dr. Robert Pavlowsky



(I to r) Kennedy

Hospitality Leadership

1st Place: Kennedy Powell, Coauthors: Blake Woods, Darby Graham, Chris Cox, Jin Chang, Huan Ma

COMPARING REASONS TO VISIT MARDI GRAS IN NEW ORLEANS BETWEEN PEOPLE WHO HAVE ATTENDED AND THOSE WHO HAVE NOT. Faculty Advisor: Dr. Yoshimasa "Nancy" Kageyama.



(I to r) Gabriel, Austin

Mathematics

1st Place: Gabriel Wallace

COLORING KNOTS WITH QUANDLES. Faculty Advisor: Dr. Mark Rogers.

2nd Place: Austin Beard

COLORABILITY OF SURFACES. Faculty Advisor: Dr. Mark Rogers.



(I to r) Austin, Devon

Physics, Astronomy and Materials Science

1st Place: Austin Bollinger

MOLECULAR DYNAMIC SIMULATIONS OF METALLIC SYSTEMS. Faculty Advisor: Dr. Ridwan Sakidja

2nd Place: Devon T. Romine

MOLECULAR DYNAMICS SIMULATIONS OF THE ANORTHITE-WATER MELT SYSTEM. Faculty Advisor: Dr. Robert A. Mayanovic